



PATENT
Atty. Dkt WEAT/0526.P1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re Application of:
Vail III**

Serial No.: 10/717,422

Confirmation No.: 7770

Filed: November 19, 2003

For: Methods and Apparatus for Cementing Drill Strings in Place for One Pass Drilling and Completion of Oil and Gas Wells

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Group Art Unit: 3672

Examiner: Unknown

Customer No.: 36735

CERTIFICATE OF MAILING

37 CFR 1.8

I hereby certify that this correspondence is being deposited with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 30 November 2004.

Kyla D. Cummings
Typed Name

Kyle D. Cummings
Signature

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

The Applicant, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

01 FC:1806 180.00 DA

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/WEAT/0526.P1/WBP.

Respectfully submitted,

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Attorney for Applicant

Substitute for form 1449A/PTO

AUG 02 2004

USPTO 35

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/717,422
Filing Date	November 19, 2003
First Named Inventor	Vail III
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0526.P1

Sheet 1

of 29

Submission Date July 30, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A1	US-6742606 B2		06/01/2004	Melcalfe, et al.	
A2	US-6702040 B1		03/09/2004	Sensenig	
A3	US-6668937		12/30/2003	Murray	
A4	US6634430		10/21/2003	Dawson et al.	
A5	US-6547017 B1		04/15/2003	Vail, III	
A6	US-6543552 B1		04/08/2003	Melcalfe, et al.	
A7	US-6536993 B2		03/25/2003	Strong, et al.	
A8	US-6457532 B1		10/01/2002	Simpson	
A9	US-6263987 B1		07/24/2001	Vail, III	
A10	US-6216533 B1		04/17/2001	Woloson, et al.	
A11	US-6189616 B1		02/20/2001	Gano, et al.	
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A15	US-6098717		08/08/2000	Bailey et al.	
A16	US-6070671		06/06/2000	Cumming et al.	
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
B1	DE 3 213 464		10/13/1983	Reimer		
B2	DE 4 133 802		10/22/1992	Andrejewski		
B3	EP 0 235 105		09/02/1987	Kjell-Oue		
B4	EP 0 265 344		04/27/1988	Legendre		
B5	EP 0 462 618		12/27/1991	Karlsson		

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Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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		Number-Kind Code ² (if known)			
A19	US-5887668		03/30/1999	Haugen et al.	
A20	US-5887655		03/30/1999	Haugen, et al.	
A21	US-5836409		11/17/1998	Vail, III	
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A23	US-5803666		09/08/1998	Keller	
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A26	US-5717334		02/10/1998	Vail, III, et al.	
A27	US-5706905		01/13/1998	Barr	
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
B6	EP 0 554 568		08/11/1993	Tibbitts, et al.		
B7	EP 0 961 007		12/06/1999	Gano, et al.		
B8	EP 1 006 260		06/07/2000	Fincher, et al.		
B9	GB 2 335 217		09/15/1999	Desai		

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		Number-Kind Code ² (if known)			
	A39	US-5361859	11/08/1994	Tibbitts	
	A40	US-5322127	06/21/1991	McNair et al.	
	A41	US-5318122	06/07/1994	Murray, et al.	
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	A45	US-4904119	02/27/1990	Legendre, et al.	
	A46	US-4848469	07/18/1989	Baugh et al.	
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B10	GB 1 469 661	04/06/1977	Swobda, et al.		
	B11	GB 1 277 461	06/03/1972			
	B12	GB 1 448 304	09/02/1976			
	B13	GB 1 582 392	01/07/1981			

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		Number-Kind Code ² (if known)			
A58	US-4446745		05/08/1994	Stone, et al.	
A59	US-4396076		08/02/1983	Inoue	
A60	US-4396077		09/12/1981	Radtke	
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A62	US-4221269		09/09/1980	Hudson	
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A65	US-4100981		07/18/1978	Chaffin	
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
B14	GB 2 053 088		02/04/1981	Gebhart		
B15	GB 2 201 912		09/14/1988	Dinsdale		
B16	GB 2 313 860		02/10/1997	Lee		
B17	GB 2 320 270		06/17/1998	Armell, et al.		
B18	GB 2 333 542		07/28/1999	Kirk		

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	A77	US-3353599	11/21/1967	Swift	
	A78	US-3191680	06/29/1965	Vincent	
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	A81	US-3102599	09/03/1963	Hillburn	
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	A83	US-2805043	09/03/1957	Williams	
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	A86	US-2743087	04/24/1956	Layne, et al.	
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	A88	US-2641444	06/09/1953	Moon	
	A89	US-2627891	02/10/1953	Clark	
	A90	US-2499630	03/07/1950	Clark	
	A91	US-2324679	07/20/1943	Cox	
	A92	US2295803	09/15/1940	O'Leary	
	A93	US-2216895	10/08/1940	Stokes	
	A94	US-2060352	11/11/1936	Stokes	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B19	GB 2 365 463	02/20/2002	Giancarlo		
	B20	GB 2 382 361	05/28/2003	Hewson, et al.		
	B21	GB 2 216 926	10/18/1989	Haloid		
	B22	GB 2 348 223	09/27/2000	Cook, et al.		

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A95	US-2049450		08/04/1936	Johnson	
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A97	US-1981525		11/20/1934	Price	
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A99	US-1342424		06/08/1920	Cotten	
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A118	US-3603411		09/07/1971	Link	
A119	US-3552508		01/05/1971	Brown	

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B23	GB 540 027		10/02/1941			
B24	GB 7 928 86		04/12/1958			
B25	GB 8 388 33		06/22/1960			
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		Attorney Docket Number	WEAT/0526.P1
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B27	USSR 112631	01/10/1956	Barshai, et al.		
	B28	USSR 1304470	08/31/1984	Gelfat, et al.		
	B29	USSR 1808972	05/22/1991	Voroshbitov, et al.		
	B30	USSR 247162	05/10/1967	Barshai, et al.		
	B31	USSR 395557	12/30/1971	Barshai, et al.		
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	B49	WO 92/18743	10/29/1992	Pietras		
	B50	WO 92/20899	11/26/1992	Ellis		
	B51	WO 93/24728	12/09/1993	Simpson		

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INFORMATION DISCLOSURE
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Application Number	10/717,422
Filing Date	November 19, 2003
First Named Inventor	Vail III
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0526.P1
Submission Date	July 30, 2004

FOREIGN PATENT DOCUMENTS

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	B52	WO 95/10686	04/20/1995	Lorenz, et al.		
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	B75					
	B76					
	B77					
	B78					

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Application Number	10/717,422
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First Named Inventor	Vail III
Group Art Unit	3672
Examiner Name	Unknown
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C1	HAHN, ET AL., "Simultaneous Drill and Case Technology - Case Histories, Status and Options for Further Development," Society of Petroleum Engineers, IADC/SPE Drilling Conference, New Orleans, LA Feb. 23-25, 2000 pp. 1-9.	
	C2	M.B. STONE and J. SMITH, "Expandable Tubulars and Casing Drilling are Options" Drilling Contractor, January/February 2002, pp. 52.	
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	C8	United States Patent Application 10/795,214, filed March 5, 2004 (WEAT/0373)	
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Application Number

10/717,422

Filing Date

November 19, 2003

First Named Inventor

Vail III

Group Art Unit

3672

Examiner Name

Unknown

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NON PATENT LITERATURE DOCUMENTS

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	C13	United States Patent Application 10/794,797, filed March 5, 2004 (WEAT/0371)	
	C14	United States Patent Application 10/767,322, filed January 29, 2004 (WEAT/0343)	
	C15	United States Patent Application 10/795,129, filed March 5, 2004 (WEAT/0366)	
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Application Number	10/717,422
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Examiner					Date Considered		
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*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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U.S. Patent Documents

*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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Substitute for form 1449A/PTO				Application Number	10/717,422		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	November 19, 2003		
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				Examiner Name	Unknown		
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				Submission Date	July 30, 2004		

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*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/717,422
Filing Date	November 19, 2003
First Named Inventor	Vail III
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0526.P1

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A262	4,686,873	08-18-1987	Lang et al.			
Examiner				Date Considered		
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Substitute for form 1449A/PTO

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Examiner				Date Considered			

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*Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation		
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	B74	WO 02/086287	10-31-2002	WIPO	E21B	47/01	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B75	WO 01/94739	12-13-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B76	WO 01/94738	12-13-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B77	WO 01/81708	11-01-2001	WIPO	E21B	10/32	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B78	WO 01/79650	10-25-2001	WIPO	E21B	10/60	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B79	WO 01/46550	06-28-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B80	WO 01/12946	02-22-2001	WIPO	E21B	19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B81	WO 00/50730	08-31-2000	WIPO	E21B	10/66	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B82	WO 00/28188	05-18-2000	WIPO	E21B	7/06	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B83	WO 00/37771	06-29-2000	WIPO	E21B	43/10	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B84	WO 00/11311	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B85	WO 00/11310	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B86	WO 00/11309	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B87	WO 00/05483	02-03-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B88	WO 98/55730	12-10-1998	WIPO	E21B	23/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B89	WO 97/08418	03-06-1997	WIPO	E21B	4/18	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B90	GB 2 357 101	06-13-2001	UK	E21B	7/06	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B91	EP 1 050 661	11-08-2000	EP	E21B	7/18	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
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	C61	McKay, et al., "New Developments In The Technology Of Drilling With Casing: Utilizing A Displaceable DrillShoe Tool," Paper WOCD-0306-05, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-11
	C62	Sutriono - Santos, et al., "Drilling With Casing Advances To Floating Drilling Unit With Surface BOP Employed," Paper WOCD-0307-01, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-7
	C63	Vincent, et al., "Liner And Casing Drilling - Case Histories And Technology," Paper WOCD-0307-02, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-20
	C64	Maute, "Electrical Logging: State-of-the Art," The Log Analyst, May-June 1992, pp. 206-27
	C65	Tessari, et al., "Retrievable Tools Provide Flexibility for Casing Drilling," Paper No. WOCD-0306-01, World Oil Casing Drilling Technical Conference, 2003, pp. 1-11
	C66	Evans, et al., "Development And Testing Of An Economical Casing Connection For Use In Drilling Operations," paper WOCD-0306-03, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-10
	C67	Rotary Drilling, Open-Hole Fishing, Unit III, Lesson 2, Third Edition
	C68	Rotary Drilling, Casing and Cementing, Unit II, Lesson 4, Second Edition
	C69	Rotary Drilling, Drilling a Straight Hole, Unit II, Lesson 3, Second Edition
	C70	Rotary Drilling, The Bit, Unit I, Lesson 2, Third Edition
	C71	Rotary Drilling, Blowout Prevention, Unit III, Lesson 3, Third Edition
	C72	Well Servicing and Workover, Artificial Lift Methods, Lesson 5, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
	C73	Rotary Drilling, Drilling Mud, Unit II, Lesson 2, Third Edition

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/717,422
Filing Date	November 19, 2003
First Named Inventor	Vail III
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0526.P1

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OTHER ART

*Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.
C74	Rotary Drilling, Subsea Blowout Preventers and Marine Riser Systems, Unit III, Lesson 4
C75	Well Servicing and Workover, Control of Formation Pressure, Lesson 9, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
C76	Well Servicing and Workover, Production Rig Equipment, Lesson 6, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
C77	Well Servicing and Workover, Petroleum Geology and Reservoirs, Lesson 2, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
C78	Well Servicing and Workover, Well Logging Methods, Lesson 3, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
C79	Well Servicing and Workover, Introduction to Oil Well Service and Workover, Lesson 1, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
C80	Well Servicing and Workover, Well Completion Methods, Lesson 4, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
C81	Rotary Drilling, Controlled Directional Drilling, Unit III, Lesson 1, Third Edition
C82	Well Servicing and Workover, Well Stimulation Treatments, Lesson 11, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
C83	Rotary Drilling, Making Hole, Unit II, Lesson 1, Second Edition
C84	Well Servicing and Workover, Well Cleanout and Repair Methods, Lesson 8, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
C85	Well Servicing and Workover, Well Servicing and Repair, Lesson 7, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
C86	Rotary Drilling, Circulating Systems, Unit I, Lesson 8, Third Edition
C87	Well Servicing and Workover, Well Service and Workover Profitability, Lesson 12, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
Examiner	Date Considered

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Sheet	29	of	29
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DOCKET No.: WEAT/0526. P1
SERIAL No.: 10/717, 422
FILED: 11/19/03
APPLICANT: Weatherford/Lane
INVENTOR: Vail 111

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